

FIG. 1 ( a )

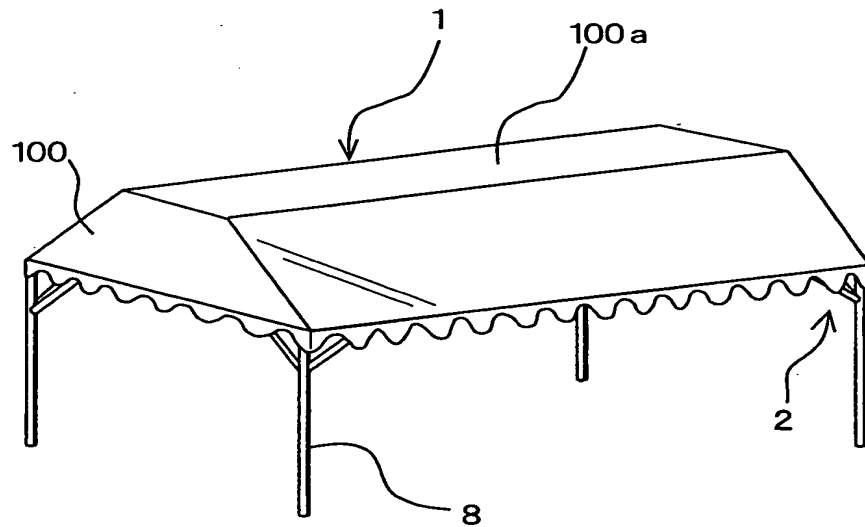


FIG. 1 ( b )

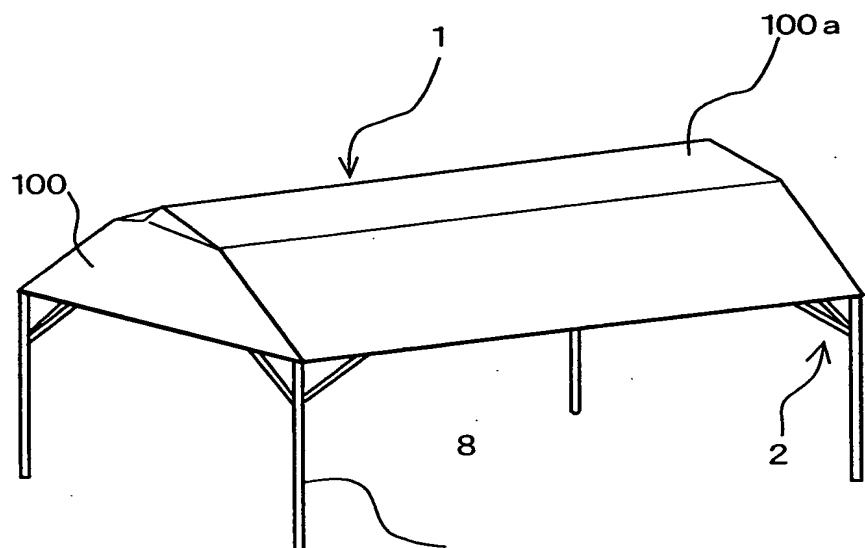


FIG. 1 (c)

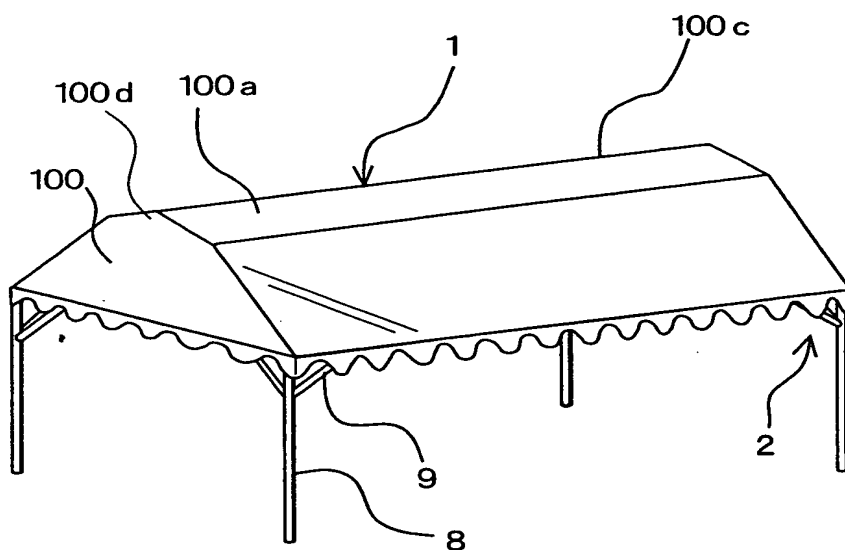
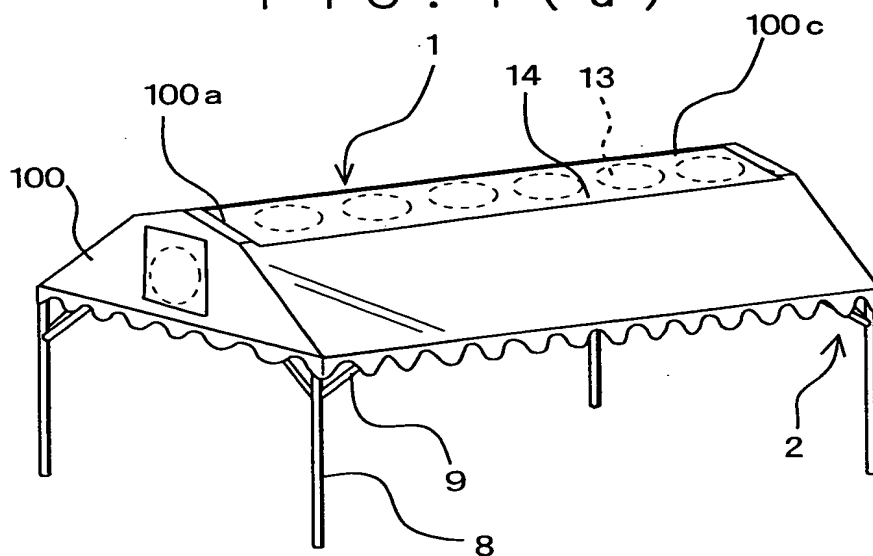
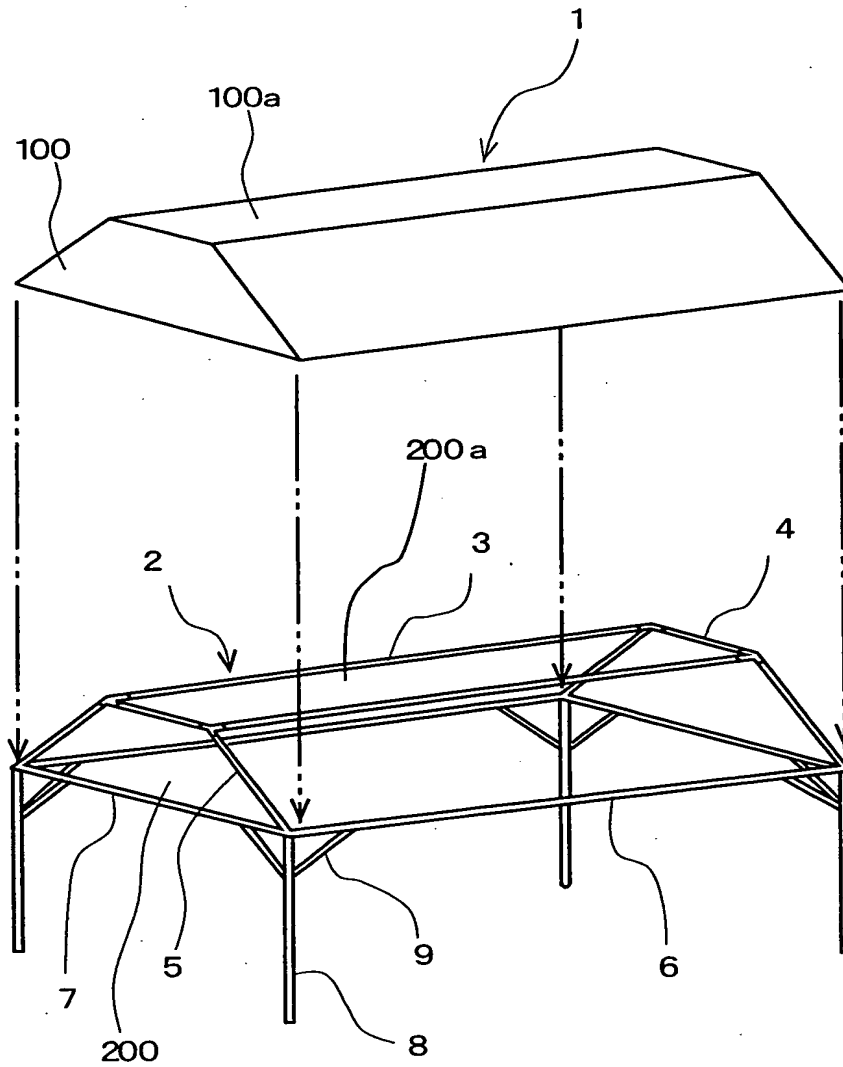


FIG. 1 (d)



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FIG. 2



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FIG. 3 (a)

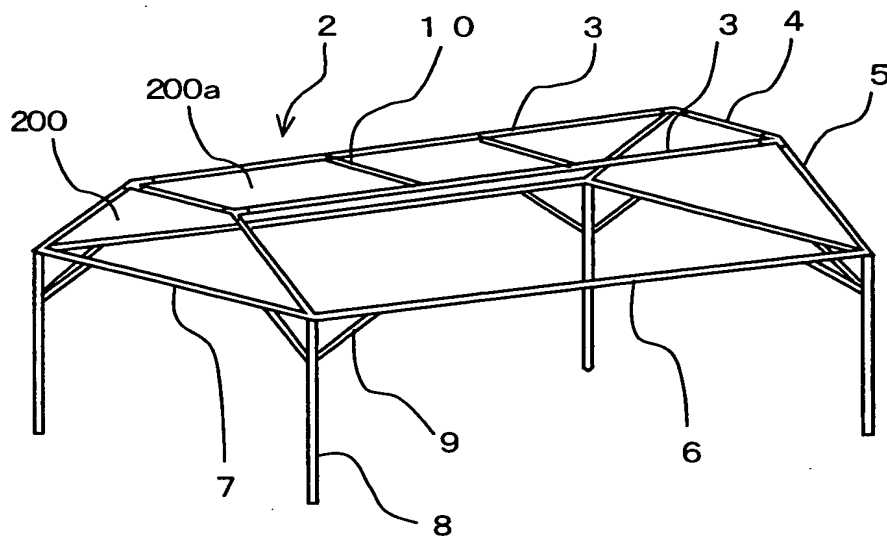
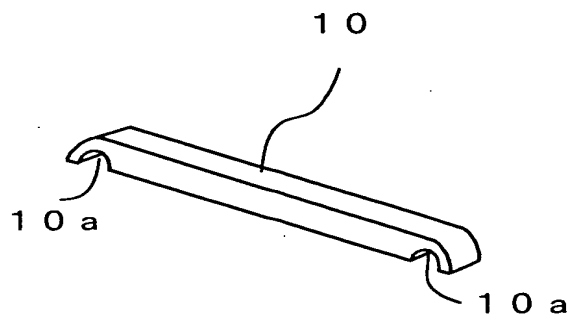
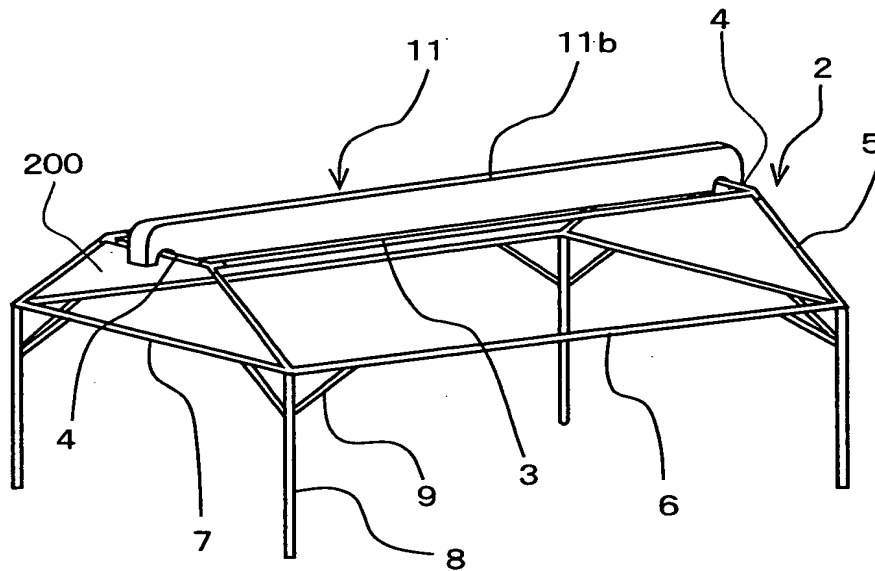


FIG. 3 (b)

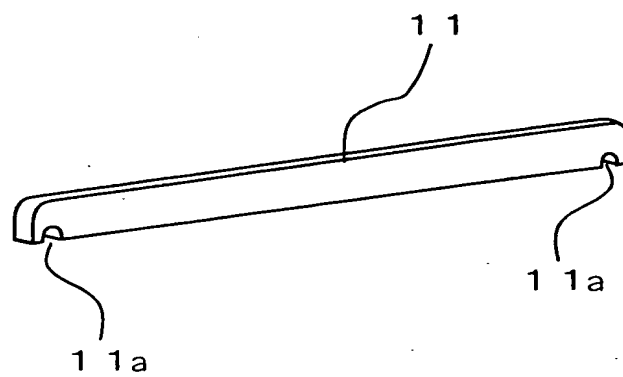


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F I G . 4 ( a )



F I G . 4 ( b )



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FIG. 5 (a)

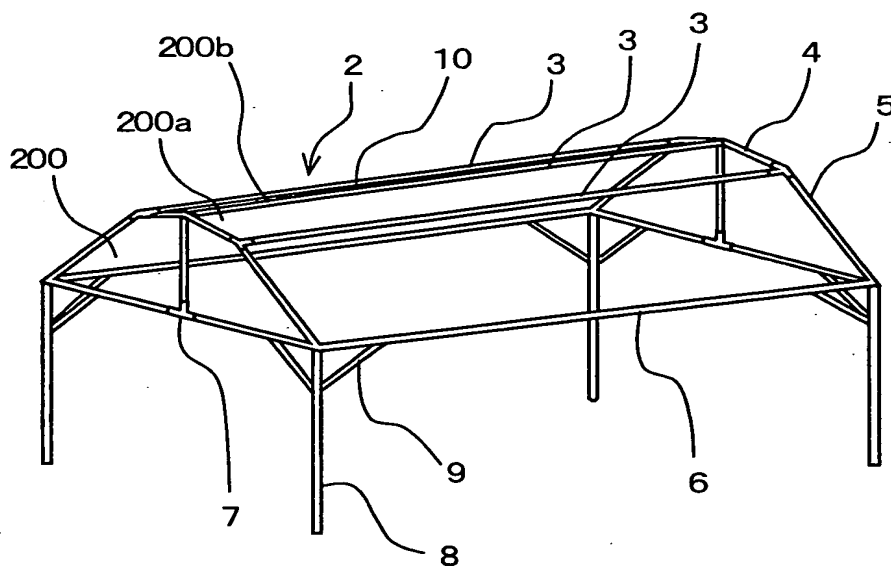


FIG. 5 (b)

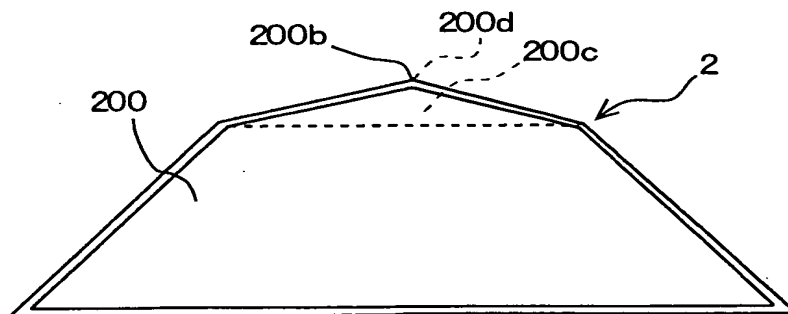
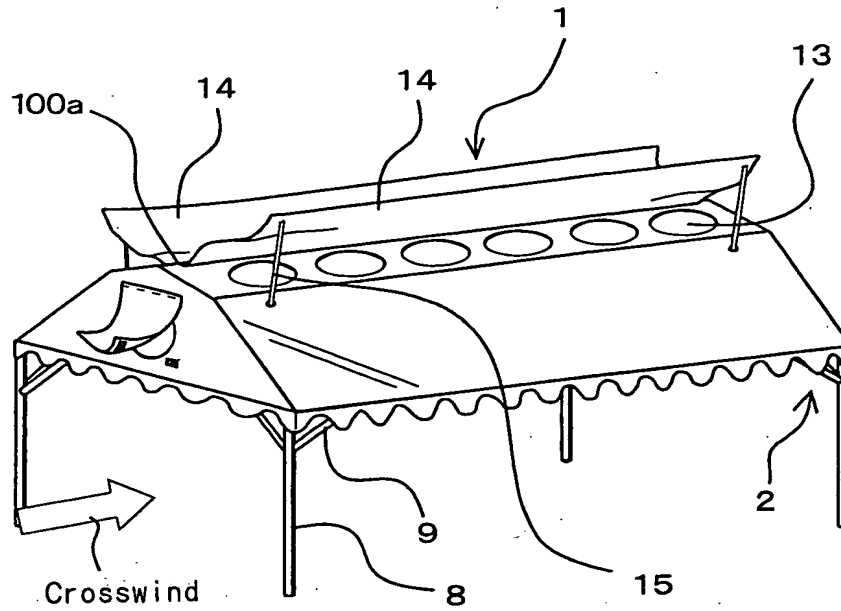


FIG. 6



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FIG. 7 (a)

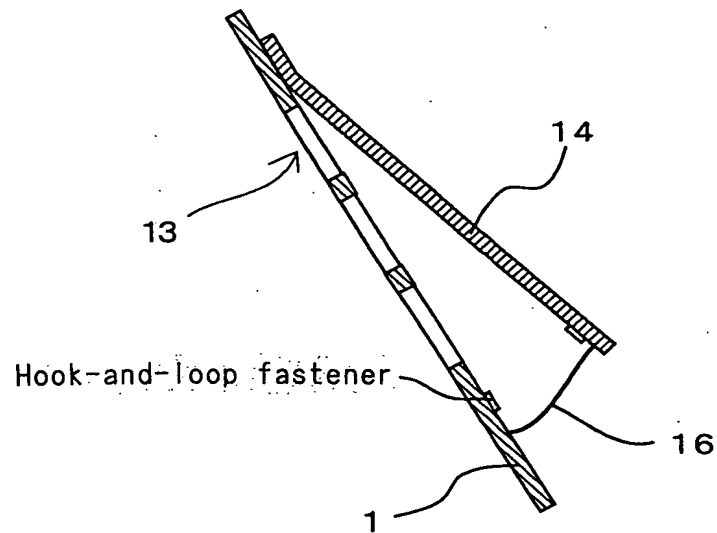
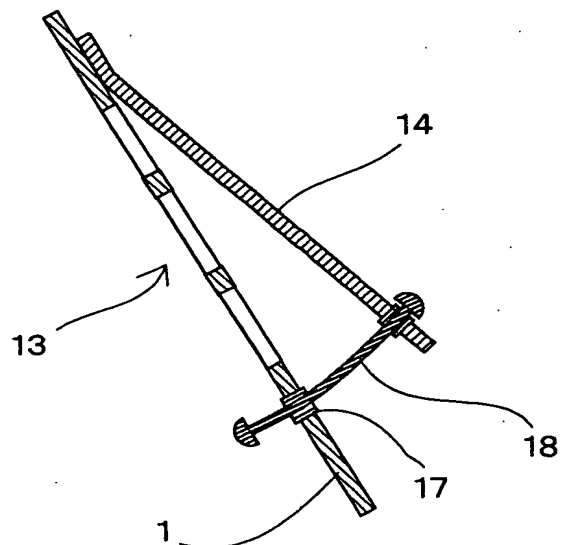


FIG. 7 (b)





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F I G . 8

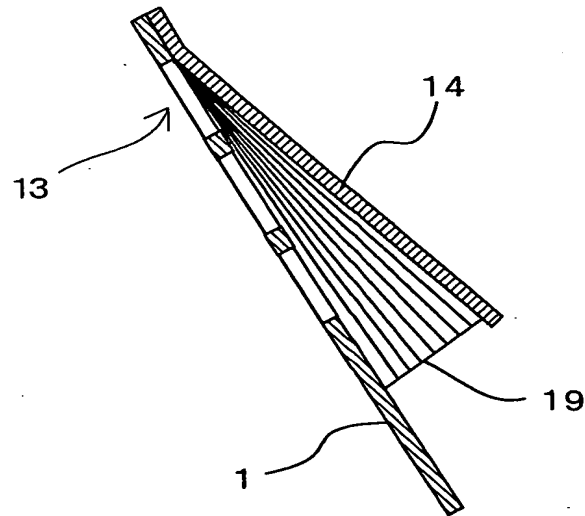


FIG. 9

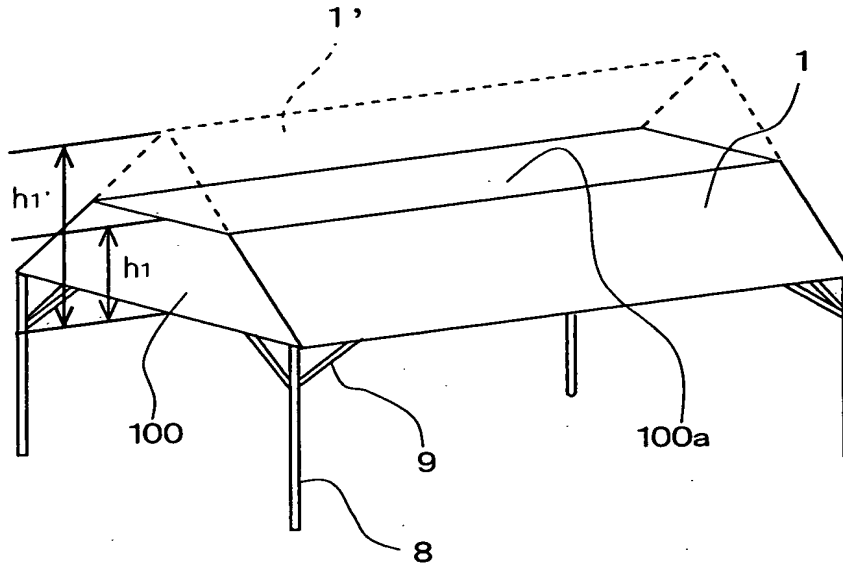


FIG. 10

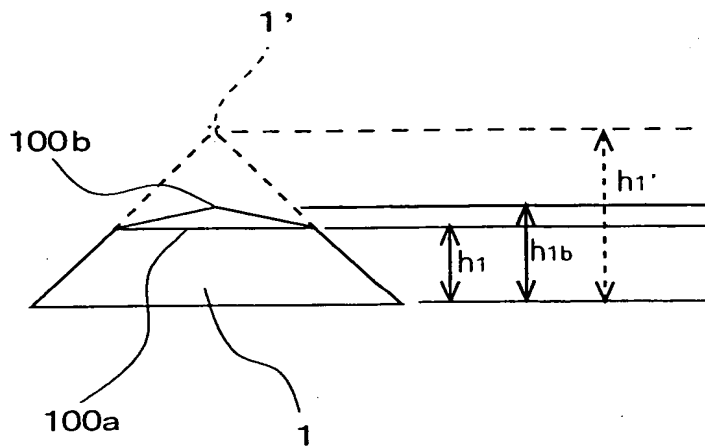


FIG. 11 (a)

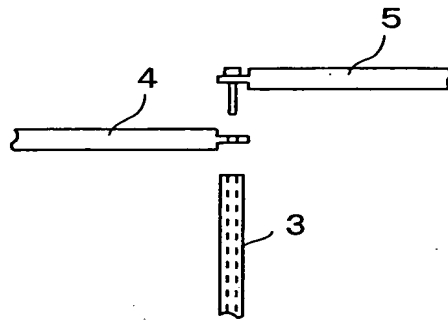
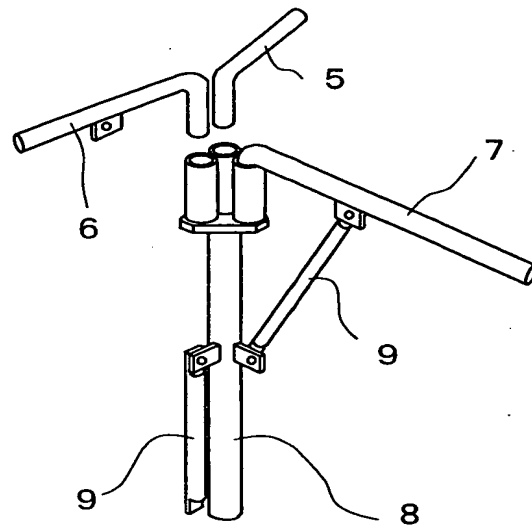


FIG. 11 (b)



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FIG. 12

Wind Velocity m/s	Conventional Gable Roof Type	Trapezoidal Roof Type			
		Without sheet lids		With sheet lids	
		Blowing-up wind pressure on tent (N)	Rate of improvement	Blowing-up wind pressure on tent (N)	Rate of improvement
5	518	386	74.5	375	72.4
6	746	556	74.5	540	72.4
7	1015	756	74.5	735	72.4
8	1326	988	74.5	960	72.4
9	1678	1250	74.5	1215	72.4
10	2072	1544	74.5	1456	70.3
11	2507	1868	74.5	1761	70.2
12	2984	2223	74.5	2096	70.2
13	3502	2609	74.5	2460	70.2
14	4061	3025	74.5	2853	70.3
15	4662	3473	74.5	3176	68.1
16	5305	3952	74.5	3614	68.1
17	5988	4461	74.5	4080	68.1
18	6714	5001	74.5	4574	68.1
19	7480	5572	74.5	5096	68.1
20	8288	6174	74.5	5471	66.0

Rate of improvement = (Blowing-up wind pressure on tent of Trapezoidal roof type / Blowing-up wind pressure on tent of Conventional gable roof type) × 100

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FIG. 13

Fig. 13

Wind Velocity m/s	Conventional Gable Roof Type		Trapezoidal Roof Type		
	Blowing-up wind pressure on windward side of tent (N)	Evaluation	Without sheet lids	With sheet lids	Evaluation
5	332	OK	Blowing-up wind pressure on windward side of tent (N)	Blowing-up wind pressure on windward side of tent (N)	OK
6	479	OK	187	182	OK
7	652	OK	270	262	OK
8	851	OK	367	357	OK
9	1077	OK	480	466	OK
10	1330	NG	607	589	OK
11	1609	NG	750	706	OK
12	1915	NG	907	854	OK
13	2247	NG	1079	1016	OK
14	2606	NG	1267	1193	NG
15	2992	NG	1469	1383	NG
16	3404	NG	1687	1538	NG
17	3843	NG	1919	1750	NG
18	4309	NG	2166	1976	NG
19	4801	NG	2429	2215	NG
20	5319	NG	2706	2468	NG
			2998	2647	NG